

XP-002101841

FI - (C) WPI / DERWENT

AN - 92-429826 521

AP - JP910122739 910424

PR - JP910122739 910424

TI - Polyester porous film for medical materials - prep'd. from copolymer contg. 3- and 4-hydroxybutylate by controlling drying rate of solvent

IN - POLYESTER POROUS FILM MEDICAL MATERIAL PREPARATION COPOLYMER CONTAIN HYDROXY BUTYLATE CONTROL DRY RATE SOLVENT

PA - (JAPG ) NIPPON ZEON KK

PN - JP4326932 A 92N116 DW9252 B01D71/48 006pp

ORD - 1992-11-16

IC - B01D71/48

FS - CPI

DC - A23 A86 A96 D16 D22 J01

AB - J04326932 The film is produced by flowing a soln. of polyester copolymer having 3-hydroxybutylate unit (3 HB) and 4-hydroxybutylate unit (4 HB), and controlling the drying rate of the solvent. The steam permeability of the film is at least 0.5 kg/m<sup>2</sup>/2 hrs.

- USE/ADVANTAGE - No mixing of additives and does not change its polymer material by heating. Useful for medical materials.

- In an example, a 3 HB - 4 HB copolymer was produced by using *Alcaligenes eutrophus* (ATCC 17699). It was dissolved in chloroform and poured into a glass dish. The air drying rate of solvent was controlled by the temp. and closure degree of the cover of the glass dish. The film obt'd. was flaked from the dish and vacuum dried at room temp. for 24 hours. When 3% w/v % polymer 43 ml was used and dried for 3 days, the film obt'd. was 280 microns thick and its steam permeability was 2.50 kg/m<sup>2</sup>/24 hrs. (Dwg.0/2)

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